

VENTTSEL', T.D.

Some quasi-linear parabolic systems with increasing coefficients.
Dokl. AN SSSR 140 no.2:284-286 S '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom I.G.Petrovskim.
(Boundary value problems) (Differential equations)

VENTTSEL', T.D.

Quasi-linear parabolic systems with growing coefficients.
Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no.6:34-44 N-D'63.
(MIRA 17:2)

1. Kafedra differentsial'nykh uravneniy Moskovskogo universiteta.

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C111/C444

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AUTHOR: Venttsel' T. D.

TITLE: On some quasilinear parabolic systems with growing coefficients

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 140, no. 2, 1961, 284-286

TEXT: For the system

$$\varepsilon \frac{\partial^2 u}{\partial x^2} = \frac{\partial u}{\partial t} + \frac{\partial \varphi(u, v)}{\partial x}, \quad (2)$$

$$\varepsilon \frac{\partial^2 v}{\partial x^2} = \frac{\partial v}{\partial t} + \frac{\partial \psi(u, v)}{\partial x}$$

the following boundary value problem is considered

$$\begin{aligned} u|_{t=0} &= u_0(x), & v|_{t=0} &= v_0(x) \\ u|_{x=x_1} &= u|_{x=x_2} = 0, & v|_{x=x_1} &= v|_{x=x_2} = 0 \end{aligned} \quad (3)$$

Card 1/5

28657

S/020/61/140/002/002/023

On some quasilinear parabolic systems... C111/C444

assuming that (2) converges to a hyperbolic system of first order for $\varepsilon \rightarrow 0$. The equation

$$\varphi_v F_{uu} - (\varphi_u - \psi_v) F_{uv} - \psi_u F_{vv} = 0 \quad (4)$$

is of the same type like (2) for $\varepsilon = 0$.

Theorem 1: If (4) possesses a solution $F(u,v)$ such that for all u,v

$$F_{uu} \xi^2 + 2F_{uv} \xi \eta + F_{vv} \eta^2 \geq \mu(u,v)(\xi^2 + \eta^2), \quad \mu > 0 \quad (6)$$

then

$$\int_{x_1}^{x_2} F(u(x,T), v(x,T)) dx \leq \int_{x_1}^{x_2} F(u_0(x), v_0(x)) dx. \quad (7)$$

Let $B(M) = \max_{\substack{x, t \in R \\ |u|, |v| \leq M}} (|\varphi_n|, |\varphi_v|, |\psi_n|, |\psi_v|),$

Card 2/5

28657

S/020/61/140/002/002/023

On some quasilinear parabolic systems... C111/C444

$$B_1(M) = \max_{\substack{x, t \in R \\ |u|, |v| \leq M}} (|D^2 \psi|, |D^2 \Psi|)$$

where D^2 is an arbitrary second derivative

$$f(|u|) = \min_v (\min_u F(u, v), \min_u F(-u, v)),$$

$$g(|v|) = \min_u (\min_v F(u, v), \min_v F(u, -v))$$

$$R = R \{ x_1 \leq x \leq x_2, 0 \leq t \leq T \}$$

Theorem 2: The coefficients of (2) and the boundary functions are assumed to satisfy the smoothness conditions of theorem 1 of a former paper of the author (Ref. 1: DAN 117, (1957)). The equation (4) is supposed to have a solution $F(u, v)$, satisfying (6) and

$$F(0, 0) = F_u(0, 0) = F_v(0, 0) = 0 \quad (9)$$

Card 3/5

28657

S/020/61/140/002/002/023

C111/C444

On some quasilinear parabolic systems...

and for which

$$B(M) + MB_1(M) = O(f(\frac{M}{2})),$$

(11)

$$B(M) + MB_1(M) = O(g(\frac{M}{2})).$$

Then the problem (2), (3) possesses a solution for all t.

One defines $\varphi(s)$ to increase like $|s|^p$, if

$$k_1 |s|^p \leq |\varphi(s)| \leq k_2 (1 + |s|^p).$$

Theorem 3: Let $\varphi = \varphi(v)$, $\Psi = \Psi(u)$, where $\varphi(s)$ and $\Psi(s)$ are increasing like $|s|^p$ and the order of growth decreases by one under differentiation and increases by one under integration. If the coefficients of (2) and the boundary functions of (3) satisfy the smoothness conditions of theorem 1 of (Ref.1), then there exists the solution of (2), (3) for all t.

Card 4/5

28657

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On some quasilinear parabolic systems... C111/C444

The author mentions S. D. Eydel'man. There are 3 Soviet-bloc references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M. V.
Lomonosova (Moscow State University imeni M. V. Lomonosov)

PRESENTED: May 4, 1961, by J. G. Petrovskiy, Academician

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Card 5/5

KOLMOGOROV, A.N.; FONIN, S.V.; VENTSEL', T.D., redaktor; KULAGINA, O.S.,
redaktor; MOTORINA, I.A., ~~tekhnicheskii~~ redaktor.

[Elements of the theory of function and functional analysis] Elementy
teorii funktsii i funktsional'nogo analiza. [Moskva] Izd-vo Moskovsko-
go univ. No.1 [Metric and normalized spaces] Metricheskie i normiro-
vannye prostranstva; kurs lektsii. 1954. 153 p. (MIRA 8:4)
(Spaces, Generalized)

VENTTSEL', T. D.
OLEYNIK, O.A.; VENTTSEL', T.D.

Cauchy problem and the first boundary value problem for a quasilinear equation of the parabolic type. Dokl. AN SSSR 97 no.4:605-608
Ag '54. (MLRA 7:9)

1. Predstavleno akademikom I.G.Petrovskim.
(Differential equations, Partial)

24(3)

SOY/56-35-5-1/56

AUTHORS: Brandt, E. P., Venttsel', V. A.

TITLE: The Influence Exercised by Compression From All Sides on the Oscillation of Magnetic Susceptibility in Bismuth at Low Temperatures (Vliyaniye vnestoronnego davitiya na oshchilliyatsiyu magnitnoy vospriimchivosti vismута pri niskikh temperaturakh)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol 35, Nr 5, pp 1083-1087 (USSR)

ABSTRACT: Brandt and others (Refs 1-3) already investigated the influence exercised by pressure on the galvanomagnetic properties of bismuth and discussed the possibility of determining the influence exercised by pressure on the quantum oscillations of magnetic susceptibility and on the de Haas-van Alphen (de Gaez - van Alphen) effect (Refs 1-4). The experiments described by the present paper were carried out in a bomb (Fig 1) according to the method developed by Lazarev and Kan (Ref 7) on monocrystalline very pure Bi-samples. Measurements were carried out at 3 different main orientations of samples. Figure 2 shows the course of more or less damped susceptibility oscillations at 4.2 and 1.6°K and at a pressure of about 1000 atm. The diagrams are made in the coordinates C/H^2 and $1/H$.

Card 1/3

COV/51-31-1-A/56

The Influence Exercised by Compression From All Sides on the Oscillation of Magnetic Susceptibility in Bismuth at Low Temperatures

$C/H^2 = \Delta\chi \sin\psi \cos\psi$, where: C denotes the moment of the force, H the magnetic field in Oe, $\Delta\chi$ the anisotropy of magnetic susceptibility, and ψ the angle between the main crystal axis and H . The oscillations were recorded at $\psi = 76, 170$ and 175° . A further diagram (Fig. 3) shows the results of oscillation frequency measurements for various ψ -values at about 1000 atm in the range $70^\circ < \psi < 190^\circ$. The magnetic field strengths used for measurement attained values of up to 13 kOe. The dependence E_F/β (cf. the formula derived by D. P. Landau in reference 8) on ψ shows a distinct maximum at $\psi = 120^\circ$ whereas the two curves (a, b) calculated according to formulae (Ref. 9) show for higher maxima (Ref. 3) at about 170 and 190° ($E_F =$ Fermi boundary energy). Figure 4 shows comparative measurements for the dependence $\Delta S_m/S_m$ on ψ . As E_F/β is proportional to the extremal area of the cross section S_m of the Fermi surface (1 H. of. reference 10), also figure 4 shows that the deformation of the Fermi surface in Bi under pressure is not homogeneous (Ref. 4). The phase variation of the $\Delta\chi$ -oscillations at ~ 1000 atm does not exceed

Card 2/3

SOV/56-35-5-4/56

The Influence Exercised by Compression From All Sides on the Oscillation of Magnetic Susceptibility in Bismuth at Low Temperatures

10% and the variation of the anisotropy of the constant part of the magnetic susceptibility $\Delta\chi_0$ does not exceed $\pm 2\%$ ($\Delta\chi_0 = \chi_{\perp} - \chi_{\parallel}$). Finally, the anisotropy of the effective mass tensor was investigated for the de Haas-van Alphen-effect, and also the Dingle factor and electron concentration were investigated. The results obtained by measuring various quantities at $p = 0$ and $p = 1000$ atm are clearly shown by a table. In conclusion, the authors thank N. Ye. Alekseyevskiy and A. A. Abrikosov for their interest and advice, and they also thank sr. mechanic S. G. Obruchnikov and Yu. V. Yerofeyev for their assistance. There are 4 figures, 1 table, and 13 references, 10 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: January 24, 1958 (initially) and August 5, 1958 (after revision)

Card 3/3

LIKHTER, A.I.; VENTSEL', V.A.

Hall effect in cerium in a first-order phase transition. Fiz.tver.
tela 4 no.2:485-489 F '62. (MIRA 15:2)

1. Institut fiziki vysokikh davleniy AN SSSR, Moskva.
(Hall effect) (Cerium)

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ACC NR: AP6032021 SOURCE CODE: UR/0386/66/004/006/0216/0220

AUTHOR: Venttsel', V. A.; Likhter, A. I.; Rudnev, A. V.

ORG: Institute of High-Pressure Physics, Academy of Sciences SSSR (Institut fiziki vysokikh davleniy Akademii nauk SSSR)

TITLE: The de Haas - van ²Alphen effect in Zinc in pulsed magnetic fields

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 6, 1966, 216-220

TOPIC TAGS: zinc, galvanomagnetic effect, Fermi surface

ABSTRACT: The authors investigated the de Haas - van Alphen effect in zinc in pulsed magnetic fields up to 75 kOe, inasmuch as earlier experiments in static magnetic fields up to 30 kOe did not give a sufficiently complete picture of the high-frequency oscillations connected with the large parts of the Fermi surface. The pulsed magnetic field was produced by discharging a 2000 μ F capacitor bank charged to 2100 v through an inductance coil. A test coil containing the sample was placed in the center of the solenoid and its axis could be rotated $\pm 30^\circ$ relative to the direction of the magnetic field. Inasmuch as the Fermi surface of zinc is very complicated and has a large number of extremal sections in all directions of the magnetic field a resonance at 33 kcs resonant frequency was used to separate the frequencies connected with each type of Fermi-surface section. A plot of the oscillation frequency against the direction of the magnetic field is obtained for the planes

Card 1/2

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ACC NR: AP6032021

(10 $\bar{1}$ 0) and (11 $\bar{2}$ 0) of Zn, and the possible Fermi-surface sections and configurations corresponding to each frequency are discussed. It is stipulated, however, that in view of the complexity of the Fermi surface of zinc, the proposed interpretation may not be fully unambiguous. The authors thank L. F. Vereshchagin for interest in the work and A. P. Kochkin for valuable discussions during the interpretation of the results. Orig. art. has: 2 figures.

SUB CODE: 20/ SUBM DATE: 24Jun66/ ORIG REF: 001/ OTH REF: 006

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VENTTSEL', Yelena Sergeyevna; BAYEVA, A.P., red.; DANCHENKO, V.V.,
red.

[Theory of probability] Teoriia veroiatnostei. Izd.3., ispr.
Moskva, Nauka, 1964. 576 p. (MIRA 18:3)

KANTOR, M.M., kand.tekhn.nauk; SERPIK, N.M., inzh.; VENTSKOVSKIY, Z.L.,
inzh.; MERKULOVICH, V.A., inzh.

Investigating causes of wear of transmission gear boxes of
the D-265 motor grader. Stroi.i dor.mashinostr. 4 no.12:
17-19 D '59. (MIRA 13:3)

(Road machinery--Transmission devices)

PHASE I BOOK EXPLOITATION 630

Venttsel', Yelena Sergeyevna

Teoriya veroyatnostey (Theory of Probabilities) Moscow, Gos. 1zd-vo fiziko-matematicheskoy lit-ry, 1958. 464 p. 15,000 copies printed.

Ed.: Razumovskaya, A.P.; Tech. Ed.: Gavrilov, S.S.

PURPOSE: The book is designed for readers interested in the applications of the probability theory in general and particularly in the theory of gunnery. It can be very useful for specialists in ground, antiaircraft and naval artillery. The book may also be of interest to engineers in different fields where the application of probability theory is necessary.

COVERAGE: The content of the book is based on lectures on the probability theory delivered to students of the Voenno-vozdushnaya inzhenernaya akademiya imeni N. Ye. Zhukovskogo (Air Force Engineering Academy imeni N. Ye. Zhukovskiy) and on the textbook on the same subject which the author published in 1952. The first four chapters of this book contain basic concepts of the

Card 1/14

Theory of Probabilities

630

probability theory and the basic theorems. The next five chapters cover the theory of random variables, and their distributions, and of systems of random variables and their distribution. Chapters 10, 11 and 12 deal with the functions of random variables, and the distribution and linearization of such functions. In chapters 13 and 14 the limiting theorems of the probability theory are considered and mathematical processing of trial or observation results is presented. In the last three chapters the basic concepts of the theory of random functions and their canonical expansion are introduced. Stationary random functions and their spectral expansions and transformations are studied. In the introduction the author thanks Professors Ye. B. Dynkin and V.S. Pugachev for their aid in preparing the book. There are 9 Soviet references (including one translation).

TABLE OF CONTENTS:

Preface

7

Ch. I. Introduction

9

Card 2/14

Theory of Probabilities

630

1. The subject of probability theory	9
2. Short historical notes	15
Ch. 2. Fundamental Concepts of the Probability	21
1. Event. Probability of event	21
2. Direct calculation of probabilities	22
3. Frequency or statistical probability of an event	26
4. Random variable	30
5. Practically impossible and practically certain events. The principle of certainty	32
Ch. 3. Fundamental Theorems of the Probability Theory	35
1. Purpose of fundamental theorems. Sum and product of events	35
2. Addition law of probabilities	38

Card 3/14

Theory of Probabilities

630

3. Multiplication law of probabilities	43
4. Formula of total probability	51
5. Theorem of hypotheses (Bayes' formula)	53
Ch. 4. Repeated Trials	
1. Partial theorem on repeated trials	56
2. General theorem on repeated trials	58
Ch. 5. Random Variables and Their Distribution Laws	64
1. Distribution series. Distribution polygon	64
2. Distribution function	69
3. The probability of a random variable assuming a value in a given interval	74
4. Distribution density (probability density)	76

Card 4/14

Theory of Probabilities

630

5. Numerical characteristics of random variables. Their role and purpose	81
6. Characteristics of the position (mathematical expectation, mode, median)	82
7. Moments. Variance. Standard deviation	88
8. The law of uniform density	99
9. Poisson's law	101
Ch. 6. Normal Distribution Law	108
1. Normal law and its parameters	108
2. Moments of normal distribution	112
3. The probability of random variables subject to the normal law assuming a certain value in a given interval. Laplace function	114
4. Probable deviation [mean deviation]. Reduced Laplace function	116

Card 5/14

Theory of Probabilities

630

Ch. 7. Determination of the Distribution Laws of Random Variables on the Basis of Experimental Data	122
1. Basic problems of mathematical statistics	122
2. Simple statistical aggregate. Statistical distribution function	129
3. Statistical series. Hisogram	127
4. Numerical characteristics of statistical distribution	130
5. Smoothing of statistical series	134
6. Criteria of the goodness of fit	140
Ch. 8. Systems of Random Variables	150
1. The concept of a system of random variables	150
2. Distribution function of a system of two random variables	151
3. Distribution density of the system of two random variables	154

Card 6/14

Theory of Probability

630

4. Distribution laws of discrete values of the system. Conditional distribution laws	159
5. Dependent and independent random variables	162
6. Numerical characteristics of a system of two random variables. Correlation moment. Correlation coefficient	166
7. System of any number of random variables	172
8. Numerical characteristics of a system of several random variables	175
Ch. 9. Normal Distribution Law for a System of Random Variables	178
1. Normal law in a plane	178
2. Dispersion ellipses [Ellipses of equal distribution density]. Reduction of normal law into canonic form	182

Card 7/14

Theory of Probability

630

3. Probability of hitting a rectangle with sides parallel to the principal axes of a dispersion ellipse	185
4. Probability of hitting a dispersion ellipse	187
5. The probability of hitting a target of any given shape	191
6. Normal distribution law in three dimensional space	194
Ch. 10. Numerical Characteristics of Functions of Random Variables	198
1. Mathematical expectation of a functin. Variance of a function	198
2. Theorems on numerical characteristics	206
3. Applications of theorems on numerical characteristics	217

Card 8/14

Theory of Probability

630

Ch. 11. Linearization of Functions	238
1. Method of linearization of function of random arguments	238
2. Linearization of functions of a random argument	239
3. Linearization of functions of several random arguments	241
4. Making more precise the results obtained by the linearization method	245
Ch. 12. Distribution Laws of Functions of Random Arguments	249
1. Distribution law of the monotone function of a random argument	249
2. Distribution law of the linear function of an argument subject to normal law	252
3. Distribution law of the nonmonotone function of a random argument	253

Card 9/14

Theory of Probability

630

4.	Distribution law of the function of two random variables	255
5.	Distribution law of the sum of two random variables.	
	Convolution of distribution laws	257
6.	Convolution of normal laws	261
7.	Linear functions of normally distributed arguments	265
8.	Convolution of normal laws in a plane	266
Ch. 13.	Limit Theorems of Probability Theory	272
1.	The law of large numbers and central limit theorem	272
2.	Chebyshev's inequality	273
3.	The law of large numbers (Chebyshev's theorem)	276
4.	Generalized Chebyshev theorem. Markov's theorem	278
5.	Conclusions from the law of large numbers: Bernoulli and Poisson theorems	281
6.	Large number of random phenomena and central limit theorem	283

Card 10/14

Theory of Probability

630

7. Characteristic functions	285
8. Expression of the distribution density of a random variable by its characteristic function	287
9. Lyapunov's inequality	289
10. Lyapunov's theorem	291
11. Lyapunov's theorem expressed in formulas and its practical applications. Laplace theorem	296
Ch. 14. Processing of Trial Data	303
1. Peculiarities in the problem of trial-data processing for finite number of trials. Estimates of numerical characteristics of random variables	303
2. Confidence limits and confidence probabilities	307
3. Estimates of numerical characteristics of a system of random variables	313
4. Processing of firing data	321

Card 11/14

Theory of Probability

630

5. Smoothing of experimental functions by the method of least squares	326
Ch. 15. Basic Concepts of the Theory of Random Functions	345
1. The concept of a random function	345
2. The concept of a random function as an extension of the concept of a system of random variables. Distribution law of a random function	349
3. Characteristics of random functions	352
4. Determination of random-function characteristics from trial data	358
5. Methods of determining the characteristics of transformed random functions by the characteristics of original random functions	360
6. Linear and nonlinear operators. Operator of a dynamic system	363
7. Linear transformations of random functions	368

Card 12/14

Theory of Probability		
8.	The law of random functions	374
9.	Sampled random functions	377
Ch. 16.	Canonical Expansion of Random Functions	381
1.	The concept of the method of canonical expansion	
	Representation of a random function in the form of a sum of elementary random functions	381
2.	Canonical expansion of a random function	386
3.	Linear transformations of random functions	
	Canonical expansions	389
4.	Functional method of constructing the canonical expansion of a random function	393
Ch. 17.	Stationary Random Functions	902
1.	The concept of a stationary random process	402
2.	Canonical expansion of a stationary random process in a finite time interval. Dispersion spectrum	410
Card 13/14		

Theory of Probability

3. Spectral expansion of a stationary random function in infinite time interval. Spectral density of stationary random function 121
4. Spectral expansion of a random function in sample space 121
5. Transformation of a stationary random function by a stationary linear system 130
6. Application of the theory of stationary random functions to the solution of problems of control and synthesis of dynamic systems 140
7. Ergodic property of stationary random functions 140
8. Determination of characteristics of a stationary random function by one realization 145

Appendix I. Tables 141

Appendix II. Distribution charts According to Normal Distribution Law 146

References 151

Subject Index 152

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VENTURA, Eduard

Appearance of ground inversions over Budapest. Oraz meteor
int bega tud kut 25:6-12 '61 (publ.'62).

VENTURATOS, G.

VENTURATOS, G. Piece work in equipment mechanics. p. 3.

Vol. 9, no. 367, Jan. 1957.

CONSTRUCTORUL
TECHNOLOGY
RUMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

VENTURI, A.

"Theory of the Lötvo's Torsion balance," Sborn. referatov, i perevodnykh statey po geodezicheskim voprosam / Collection of Reviews and Translated Papers on Geodesic Questions/, 1913.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 7/1 PG - 734
AUTHOR OLEJNIK O.A., VENTZELJ T.D.
TITLE The first boundary value problem and the Cauchy problem for
quasilinear equations of parabolic type.
PERIODICAL Mat.Sbornik, n.Ser. 41, 105-128 (1957)
reviewed 5/1957

The present paper contains the proofs, the elaboration and some generalizations
of the author's announcements in Doklady Akad.Nauk 97, 605-608 (1954).

INSTITUTION: Moscow.

PROCESS AND PROPERTIES INDEX																									
1ST AND 2ND GROUPS													3RD AND 4TH GROUPS												
<p><i>Economics of hydrogenating petroleum in Russia. VANTIKUR. Neftyanoe Khozyaistvo 21, 67-72(1931). - A discussion on the manufg. cost of hydrogenated gasoline from various stocks. A. A. BOEHLINGE</i></p>																									
ASAC-51A METALLURGICAL LITERATURE CLASSIFICATION																									
100% STORAGE																									

Treating cracked distillates with zinc chloride. A. YENIZKUB AND N. ZUYAGIN
Nefteyanie Khozyaystvo 22, 130-9 (1932).—A discussion on the com. possibilities of treat-
 ment with $ZnCl_2$, including yields of the finished product. A. A. BOENTLINGER

1. VENIN, M.
2. USSR (600)
4. Banana
7. "Banana empire." Vokrug sveta no. 10, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

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The cotton belt. Vokrug sveta no.4:24-28 Ap '54. (MLRA 7:4)
(United States—Cotton growing) (Cotton growing--
United States)

VENIN, V.M.

Geography & Geology

(Panama and the Panama Canal) Moskva, Geografiz, 1951.

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VZENIN, V.M.; OKUNEVA, M.A.; redaktor; KUMKES, S.N., redaktor; KOSHELEVA, S.M.,
tekhnicheskiy redaktor

[Guatemala] Guatemala. Moskva, Gos. izd-vo geogr. lit-ry, 1954.
91 p. (Guatemala--Description and travel) (MLRA 7:8)

VENIN, V. M.

Gvatemala (Gratemala) Moskva, Gos. Izd-vo Geograficheskoy Lit., 1954.

91 p. Illus., maps, tables.

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6-II-11

Ammonium nitrate explosives in underground work. V. A. Yatskovskiy (Usp. 1934, No. 106, 85-91).—Ammonites containing NH_4NO_3 , 88-93, nitro-aromatic compounds 10-33, inact. matter 0-4, and H_2O 0-15% give good results in coal-mining. Ca. Ana. (p)

45B-51.6 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND CODES		PROCESSES AND PROPERTIES INDEX		1ST AND 2ND CODES	
<p>Ammonium nitrate explosives in underground work. V. A. Verbitskiy. <i>Usp.</i> 1934, No. 105, 85-91.—Am- monium Nitrat. NH_4NO_3 85.88; microcrystalline compds 100%, hard. U.S. and H_2O 0.15% give good results in coal mining. Advantages are safety in handling, indifference to low temp., large explosive effect and low briance. H. W. Rathmann</p>					
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>					
ROOM SYMBOL		SUBJECT MATTER CODE		REMARKS	
100000		100000		100000	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PROCESSES AND PROPERTIES INDEX

27

Prospects for the introduction of ammonia-salt-peter explosives in the coal mining industry. V. A. Venitzkovskii. Izv. Gos. univ. No. 115, 193-194; cf. C. A. 20, 9291. A discussion on the application of various explosives in mines, giving tabular data of their detonating properties, chem. compo. of the material and of the gases obtained as a result of explosion. A. A. Bochtlingk

ASD-11A METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

VENIYAMINOV, S. I.

PA-23195

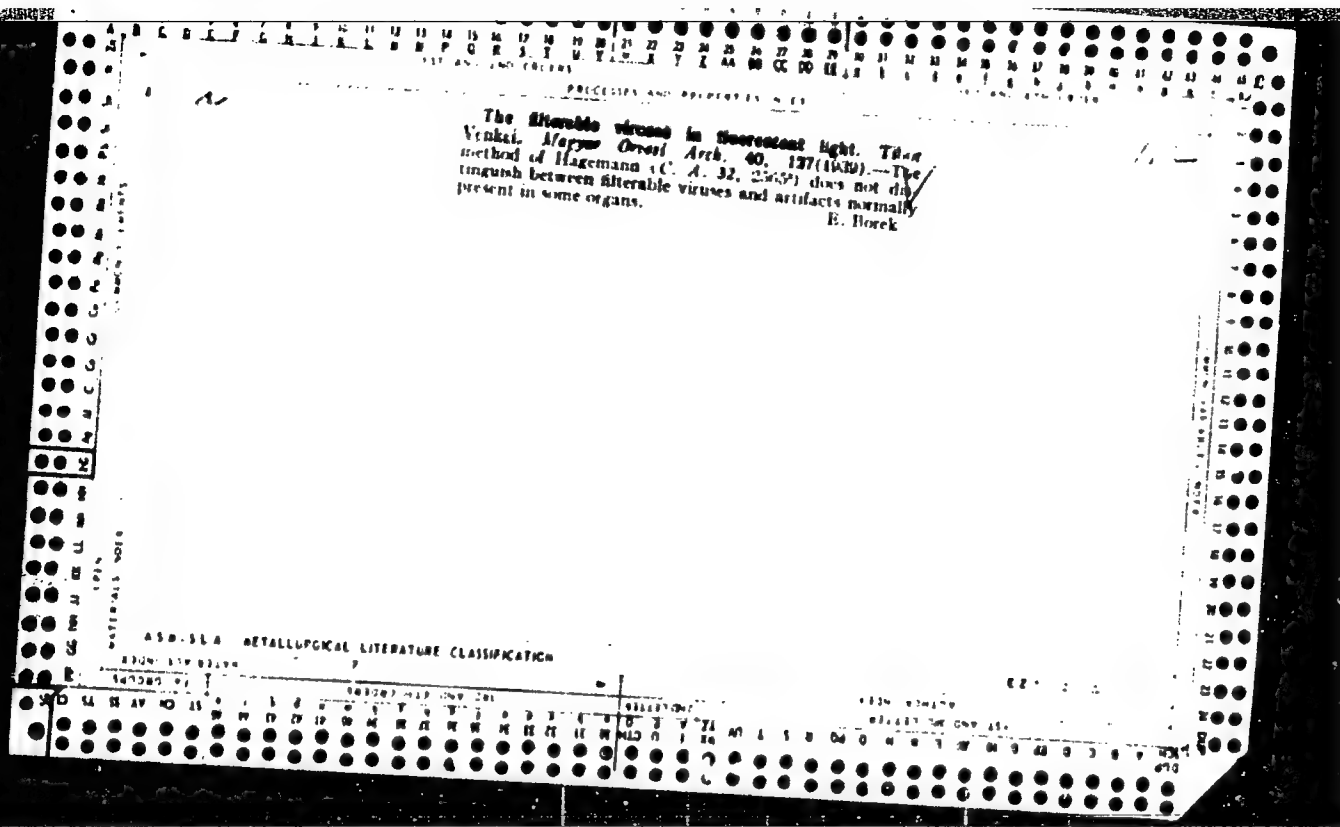
USSR/Radio Receivers, Superheterodyne Jun 1947
Vacuum Tubes, Receiving

"Salyut," S. I. Veniyaminov, N. A. Ioffe. 4 pp

"Radio" Vol XX, No 6

Description of a five-tube superheterodyne radio receiver using alternating current of 110, 127 and 220 volts. Speaker output 2 watts. The receiver has five bands, long wave 750 - 2,000 meters, medium wave 200 - 545 meters, and short wave 25 - 70 meters, as well as 25 - 19 meters. Tubes used are: 6A8, 6K7, 6G7, 6F6 and 5Tsk8. Dynamic power of the receiver is 3 watts.

23195



191 AND 192 COPY 1
PROCESSOR AND PROPERTY-65 MOD 2

BC

Q-4

Filterable viruses in fluorescent light. T. VERNER-WLANSKY (Magyar Orvosi Arch., 1939, 40, 127--130).—Filterable viruses when stained with primuline are visible in fluorescent light (Hagemann method) but are not readily distinguishable from certain similar structures present, e.g., in serum from cutaneous vesicles and in pathological secretions.
A. G. P.

ASB-61A METALLURGICAL LITERATURE CLASSIFICATION

191 AND 192 COPY 1	PROCESSOR AND PROPERTY-65 MOD 2
191 AND 192 COPY 1	PROCESSOR AND PROPERTY-65 MOD 2

ACC NR 11-1

DATE CODE: 0033/65/004/02/0032/0039

AUTHOR: Ventura, Eduard

ORG: none

TITLE: Characteristics of the low-level temperature inversions over Budapest

SOURCE: Idojaras, v. 69, no. 3, 1965, 32-34

TOPIC TAGS: climatology, climatic condition, atmospheric temperature, temperature inversion, planetary boundary layer

ABSTRACT: Temperature inversions occurring in the 3-kilometer atmospheric layer over Budapest were investigated during the period between Oct 1962 and Mar 1964. The principal characteristics of the inversions observed, such as seasonal and daily characteristics, temperature structure gradient, vertical distribution, etc., were investigated. The frequency of inversions was also investigated. The effect of wind direction and wind speed on the frequency of inversions was also investigated. Both strong winds and the absence of wind resulted in decreased inversion frequency. The vertical distribution in the atmosphere was investigated as a function of temperature inversion frequency and intensity. Orig. art. has: 4 figures and 5 tables. [PRS]

SUB CODE: 02 / SUBM DATE: 25 Jan 65 / ORIG REF: 001 / CTR REF: 001

Card 1/1

ACC NR: AP6034334

SOURCE CODE: HU/0033/66/000/005/0285/0293

AUTHOR: Ventura, E.

ORG: none

TITLE: Relationship of inversions to air pollution

SOURCE: Idojaras, no. 5, 1966, 285-293

TOPIC TAGS: micrometeorology, temperature inversion, air pollution, atmospheric pollution, *surface boundary layer, wind*

ABSTRACT: Temperature inversions were observed over Hungary during the five years from 1960 through 1964 in the atmospheric surface boundary layer (to 3000 m) with radiosondes (at 0000, 0600, 1200, and 1800 hr GMT). Temperature inversions were considered to exist when the lapse rate was less than 0.1C/100 m. The distribution and relative frequency of inversion occurrences were noted by months and times of ascents. Inversions were found to be most frequent in the winter and at night. Occurrences of low cloud ceilings and total cloud cover on days with inversions and free of inversions were compared. It was established that clear skies favored the development of inversions, but turbulent clouds often appeared with inversions. The frequency distribution of wind directions during days with and without inversions indicated that

Card 1/2

ACC NR: AP6034334

easterly winds were dominant during inversions and westerly winds during inversion-free days. Light winds were more frequent during inversions and stronger winds during inversion-free periods, but the development of inversions did not require complete calm. The stable stratification of the air which occurs during an inversion favors increased air pollution in the inversion layer. A. Simon, who studied air pollution over Budapest in 1961-1963, showed that air pollution increased steadily during this period. He observed that this increase occurred chiefly with easterly winds. The frequency of easterly winds (NNE to SSE) was measured from 1961-1963 at the observatory, and found to increase from 38% in 1961 to 47% in 1963; this increase was accompanied by a similar increase in inversion frequency. Orig. art. has: 4 figures and 5 tables. [W.A. 50]

SUB CODE: 04/ SUBM DATE: none

Card 2/2

VENTURA, J.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees:

Affiliation: Ministry of Agriculture, Forestry and Water Resources (MZLVH: Ministerstvo
zemedelstvi, lesniho a vodniho hospodarstvi) Prague

Source: Prague, Veterinarstvi, Vol 11, No 8, Aug 1961; pp 281-283

Data: "The Law on Veterinary Care: Improve Animal Production and Prevent Losses"

✓ JELINEK, Josef /DVM, Veterinary Committee (Veterinarni odbor) MZLVH
✓ VENTURA, J., /LID, Legislative-Judicial Department (Legislativni a pravne oddeleni) MZLVH

GPO 941643

CHIN, Y.Ch.; WU, Y.Y.; SKOWRONSKA-SERAFIN, B.; URBANSKI, T.; VENULET, J.;
JAKIMOWSKA, K.

Antimalarial properties of some derivatives of phenylamidinourea. Bul
chim PAN 8 no.3:109-112 '60. (EEAI 10:9/10)

1. Institute of Materia Medica, Academy of Medical Sciences, Peking,
Dept. of Organic Technology, Warsaw, Technical University and Drug
Research Institute, Warsaw. Presented by T. Urbanski.

(Antimalarials) (Phenylamidinourea)

VENULET, J. ; SKOWRONSKA-SERAFIMOWA, B.

Chemical constitution and biological activity. p. 597.

WIADOMOSCI CHEMICZNE. (Polskie Towarzystwo Chemiczne)
Wroclaw, Poland.
Vol. 9, no. 12, Dec. 1955.

Monthly List of East European Accessions (FEAT) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

DESPERAK-HACIAZEK, Anna; VENULET, Jan

Effect of a pyrogen from *E. coli* on tissue oxidation and on the activity of certain enzymatic systems in liver cells. Acta physiol. polon. 11 no. 4: 623-633 '60.

1. Z Zakladu Farmakologii Instytutu Lekow w Warszawie. Kierownik:
doc.dr. J. Venulet.

(*ESCHERICHIA COLI*)

(LIVER pharmacol)

(PYROGENS pharmacol)

JANOWIEC, M.; JAKIMOWSKA, K.; VENULET, J.

Pharmacological and chemotherapeutic properties of ethyl acetate isonicotinoylhydrazone. Acta physiol.polon. 11 no.5/6: 738-739 '60.

1. Z Zakladu Farmakologii Instytutu Lekow w Warszawie. Kierownik:
doc.dr J.Venulet.
(ISONIAZID rel cpds)

URBANSKI, Tadeusz; SERAFINOWA, Barbara; GUSTOWSKI, Wlodzimierz;
VENULET, Jan; JAKIMOWSKA, Krystyna; JANOWIEC, Mieczyslaw

Anti-tuberculous properties of ethyl acetoacetate isonico-
tinoylhydrazone (T-428). Gruzlica 28 no.12:955-960 D '60.

1. Z Katedry Technologii Organicznej II Politechniki Warszawskiej
Kierownik: prof.dr T.Urbanski i z Zakladu Farmakologii Instytutu
Lekow, Kierownik: doc.dr J.Venulet.
(ISONIAZID rel cpds)

Doc. No. : 1000
 CATEGORY : General Problems of Immunology
 ABST. JOUR. : ZEBiol., No. 12 1958, No. 30246
 AUTHOR : Lanza, M., Venet, E.
 INST. : -
 TITLE : Disturbances of Rhythm of Contraction of Ciliary Epithelium in Sensitization
 ORIG. PUB. : Med. Dosiad. i Mikrobiol., 1957, Vol.9, No.3, 325-330
 ABSTRACT : In frogs sensitized to horse serum (HS), changes in the rate of contraction of the cilia of the esophagus were seen only upon direct application of HS to the epithelium; the phenomenon was weakly expressed following introduction of HS into the stomach or heart. 0.1 solution of histamine also retards the rhythm of contraction weakly. It is probable that, in allergic diseases at the time of an attack of such changes in the ciliary epithelium, the difficulty is due to inability to free the respiratory passages of mucus. - From the author's resume.
 141

VENULET, F.; LAUSZ, H.

Effect of sensitization on ciliated epithelium in frog. Acta physiol.
polon. 8 no.3:558-559 1957.

1. Z Zakladu Patologii Ogolnej A. M. w Lodzi Kierownik: prof. dr.
F. Venulet.

(EPITHELIUM, physiology,

ciliated, eff. of sensitization in frog (Pol))

(ALLERGY, experimental,

eff. of sensitization on ciliated epithelium in frog (Pol))

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859410020-1

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859410020-1"

VENULET, F.

Pathogenesis of peptic ulcer with special reference to the cerebral cortex, to the adrenal cortex, to vitamin C, and to smoking. Polski tygod. lek. 8 no.15:553-556 13 Apr 1953. (CLML-24:5)

1. Of the Institute of General Pathology (Head--Prof. F. Venulet, M.D.) of Lodz Medical Academy.

VENULET, Franciszek

Consequences of vitamin C deficiency in smokers. Polskie
arch. med. wewn. 26 no.3:393-402 1956.

1. Z Zakladu Patologii Ogolnej A.M. w Lodzi Kierownik: prof.
dr. med. F. Venulet, Lodz, Narutowicza 60.

(SMOKING, injurious effects,
vitamin C metab. disord. (Pol))
(VITAMIN C, metabolism,
disord. in smokers (Pol))

VENULET, F.; MASLINSKI, CZ.

The effect of liver diet on the course of experimental tuberculosis.
Med. doswiad. mikrob., Warsz. 4 no. 3:411 1952. (CLML 23:3)

1. Summary of work progress presented at 11th Congress of Polish
Microbiologists held in Krakow May 1951. 2. Lodz.

LAUSZ, Helena; VENULET, Franciszek

Disorders of ciliary movement in sensibilization. Med. dosw. mikrob.
9 no.3:325-330 1957.

1. Z Zakladu Patologii Ogolnej Akademii Medycznej w Lodzi Kierownik:
prof. dr nauk med. F. Venulet.

(ALLERGY, experimental,

esophageal ciliary movement disord. (Pol))

(ESOPHAGUS, physiology,

ciliary movements in exper. allergy (Pol))

VENULET, Franciszek; DANYSZ, Andrzej.

Effect of tobacco smoking of vitamin C level in human milk.
Pediat. polska 31 no.9:811-817 Sept 55.

1. Z Zakladu Patologii Ogolnej A.M. w Lodzi. Kierownik:
prof. dr. med. F.Venulet. Lodz, Zaklad Patologii Ogolnej A.M.

(VITAMIN C

in human milk, eff. of smoking in breast feeding)

(SMOKING, effects

on vitamin C level in human milk in breast feeding)

(MILK, HUMAN

vitamin C level, eff. of smoking in breast feeding)

(INFANT NUTRITION

eff. of smoking on vitamin C level in milk in
breast feeding)

VENULET, F.; LAUSZ, H.

The influence of tobacco smoke on the level of Vitamin C in the internal organs of experimental frogs. Acta physiol. polon. 3 Suppl. 3: 255-256 1952. (CML 24:1)

1. Of the Institute of Experimental Pathology (Head--Prof. Fr. Venulet, M.D.) of Lodz Medical Academy.

VENULET, F.; MOSKWA.

Effect of tobacco smoke on systemic vitamin C level. Polski tygod.
lek. 7 no. 11-12:281-286 24 Mar 1952. (CJML 22:4)

1. Of the Institute of General Pathology (Head--Prof. F. Venulet,
M. D.) of Lodz Medical Academy.

VENULET, F.

BRUCEPPTA TENSITA Ser. A Vol. 9/5 Microbiology, etc. Aug 56

was given 100 mg. of penicillin G. The control group was treated with 100 mg. of penicillin G. The results of the experiment are shown in Table I. The results show that the control group was significantly more infected than the treated group. The authors suggested that the course of infection should be followed in the patients suffering from this disease.

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"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859410020-1

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859410020-1"

VENULET, F.; DANYSZ, A.

Effect of tobacco smoke on ascorbic acid in human milk. Acta physiol. polon. 5 no.4:646 1954.

1. Z Zakładu Patologii Ogólnej Akademii Medycznej w Łodzi. Kierownik: prof. dr F.Venulet.

(VITAMIN C, metabolism,
milk, human, eff. of smoking)

(MILK, HUMAN, metabolism,
vitamin C, eff. of smoking)

(SMOKING, effects,
milk vitamin C)

VENULET, F.

Pathogenesis of diarrhea in Graves-Basedow's disease. Polski
tygod. lek. 5 no.3:81-83 16 Ja '50. (CML 19:3)

1. Of the Institute for General and Experimental Pathology, Lodz
University (Head -- Prof. Franciszek Venulet, M.D.).

VENULET, F.; KADLUBOWSKI, R.

Antihistamine action of bile. Polski tygod. lek. 5 no.6:201-204
6 F '50. (CML 19:3)

1. Of the Institute for General and Experimental Pathology, Lodz
University (Head -- Prof. F.Venulet, M.D.).

VENULET, F.

VENULET, F. ; LAUSZ, H.

"Decrease of Vitamin C in Frog Organs under the Action under the action of Tobacco
Smoke." p. 351 (Acta Physiologica Polonica. Vol. 4, no. 4, 1953 Warszawa.)

Vol. 3, no. 6
SO: Monthly List East European Accessions,/Library of Congress, June 1954, Incl.

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114

THE ROLE OF SYMPATHETIC NERVE IN HYPERGLUCEMIA AFTER AN INTRAVENOUS INJECTION OF COLLOIDAL SILVER. P. VANDERLANT. *Med. Dorcasadadina 1, Spoleto 11, 344-7 (244, French) (1930)*. Adrenaline injected into the circulation at intervals of 30 min. during 3 hrs. leads in dog, after an intravenous injection of colloidal Ag. 1.5-2.5 hrs after the beginning of the expt to a state of extreme sympathicotonia. The post-adrenaline curve does not change its usual character in control dogs. J. KUCERA

ASD 15 A DETAIL LITERATURE CLASSIFICATION

VENULET, Franciszek; MAJCHERSKI, Tadeusz ,Lodz, ul. Zeromskiego 46. m. 8

Functional disturbances of the adreno-pituitary system caused by tobacco smoke. Polski tygod. lek. 10 no.1:6-7 3 Jan 55.

1. Z Zakladu patol ogolnej A.M.w Lodzi; kier. prof. dr. F.Venulet
(ADRENAL CORTEX, physiology
adreno-pituitary system disord. caused by tobacco smoke
in mice)
(PITUITARY GLAND, physiology
adreno-pituitary system disord., caused by tobacco smoke
in mice)
(TOBACCO, injurious effects
tobacco smoke causing disord. of adreno-pituitary system
funct. in mice)

VENULET, J.

Dr. Daniel Bovet, Nobel Prize winner for the year 1957. p. 235. Materials on the development of the Polish biochemistry from the year 1951; supplements. B. Scientific institutes; the Biochemical Laboratory of the Fodder Section of the Zootechnic Institute at Pulawy. P. 239.

POSTĘPY BIOCHEMI. (Polska Akademia Nauk. Komitet Biochemiczny)
Warszawa. Vol. 4, no. 2, 1958
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

URBAŃSKI, T.; SKOWRONSKA-SERAFIN, B.; STEFANIAK, L.; VENULET, J.; JANOWIEC, M.;
JAKIMOWSKA, K.; URBANSKA, A.

On iso-nicotinoylhydrazones of ethyl acetylacetate and its anti-
tuberculous activity. Bul Ac Pol chim. 6 no.8:475-479 '58.
(HEAL 9:6)

1. Institute of Tuberculosis, Warsaw. Technical University
(Politechnika), Warsaw. Communicated by T. Urbanski.
(Isonicotinoylhydrazones) (Ethyl acetoacetate)
(Tuberculosis)

JANOWIC, Mieczyslaw; VENULET, Jan

Treatment of tuberculosis by the association of antibacterial drugs
also enhancing tissue permeability. Gruzlica 27 no.5:365-373 My '59.

1. Z Zakladu Farmakologii Instytutu Lekow w Warszawie. Kierownik:
dr med. J. Venulet.

(ANTITUBERCULAR AGENTS pharmacol.)

(PERMEABILITY pharmacol.)

VENULET, Jan; WOJCIK, Ryszard

Basic methods of statistical analysis of biological problems.
Postepy biochem.6 no.1:83-113 '60.
(STATISTICS)
(BIOLOGY)

CA

//H

Pharmacological properties of a new amidone derivative. J. Supniewski and J. Vondet (Univ. Jagiellonska, Krakow, Poland). *Polish TRB-~~transp~~an. ci, K. p. ci, i*
Hydrol. Lekarsk. 10, No. 8, 30 pp. 1970. The syn-
thesis of the new analgesic which shows less toxicity than
amidone and has a stronger action than dolantin has been
accomplished: opiperidine + ethylene oxide \rightarrow $\text{C}_2\text{H}_5\text{O}$
 $\text{N}(\text{CH}_2)_3\text{OH} \xrightarrow{\text{SOCl}_2} \text{C}_2\text{H}_5\text{O}-\text{N}(\text{CH}_2)_3-\text{Cl} \xrightarrow{\text{PhC(CN)CH}_2\text{CH}_2\text{N}(\text{CH}_2)_3\text{OH}}$
 $\text{PhC(CN)CH}_2\text{CH}_2\text{N}(\text{CH}_2)_3\text{OH}$. Grignard reaction and hy-
drolysis give $\text{PhC(CN)CH}_2\text{CH}_2\text{N}(\text{CH}_2)_3\text{OH}$. $\text{PhC(CN)CH}_2\text{CH}_2\text{N}(\text{CH}_2)_3\text{OH}$
of whose HBr salt crystallizes in 192 $^\circ\text{C}$. 1/2 R

CA

11H

The effect of heteroauxins on bacteria, plants, and animals. Jan Venulet (Univ. Jagiellonski, Krakow, Poland). *Polish Med. Entomological Research* (Lodz), 10, No. 9, 19 pp. 1969. The action of 2,4-dichlorophenoxyacetic acid and α -naphthoxyacetic acid on bacteria is very limited. However, both compounds strongly affect the growth of plant cells, elongating stem cells, sometimes causing degeneration. In animals (mice and frog) the toxicity level is high, the compounds cause slowing of heart rate and rise in blood pressure. L. Z. R.

VENULET, J.

Antihistamines. Polski tygod. lek. 6 no.20:682-686 14 May 1951.
(CJML 21:1)

1. Of the Institute of Experimental Pharmacology (Head — Prof.
Piotr Kubikowski, M.D.) of the Medical Academy in Warsaw.

VENULET, J.

Pharmacologic properties of salicylohydroxamic acid. Gruzlica,
Warsz. 19 no. 5:590-597 Sept-Oct. 1951. (CML 21:3)

1. Of the Institute of Pharmacology (Head--Prof. Kubikowski, M., D.)
of Warsaw Medical Academy and of the Pharmacological Laboratory of
Institute of Tuberculosis (Director--Docent Prof. J. Misiewicz,
M. D.), Warsaw.

HERR, F.; NYIRI, M.; VENULET, J.

Studies on the mode of analgesic action of morphine and morphine derivatives. Acta physiol. hung. 3 no.1:199-208 1952. (CLML 24:3)

1. Of the Institute of Pharmacology of Budapest University. 2. Presented at a meeting of the Hungarian Physiological Society in Debrecen 1951. J. J. Venulet is from the Institute of Pharmacology, Warsaw. In Budapest on a scholarship of the Polish Ministry of Health.

VENULET, J.

The influence of sodium salt of 2,4 dichlorophenoxyacetic acid on carbohydrate metabolism. Acta physiol. polon. 3 Suppl. 3; 267-269 1952.

(CLML 24:1)

1. Of the Institute of Experimental Pharmacology (Head--Prof. P. Kubi-kowski, M.D.) of Warsaw Medical Academy.

Venulet, J.

JAKIMOWSKA, K.; JANOWIEC, M.; KAMIENSKA, I.; SLOPEK, ST.; VENULET, J.

Some pharmacological and chemotherapeutical properties of the sodium salt of alphanaphtoxyacetic acid. Acta physiol. polon. 3 Suppl. 3. 269-272 1952. (GLML 24:1)

1. Of the Institute of Tuberculosis (Head--Prof. J. Misiewicz, M.D.) and of the Institute of Pharmacology (Head--Prof. P. Kubikowski, M.D.) of Warsaw Medical Academy and of the Institute of Microbiology of Rokitnica Medical Academy. 2. Inhibitory action on Mycobacteria tuberculosis.

URBANSKI, T; SERAFINOWA, B; MALINOWSKI, S; SLOPEK, S; KAMIENSKA, I; VENULET, J;
JAKIMOWSKA, K.

Research on new drugs for the treatment of tuberculosis. Gruslica,
Warsz. 20 no.2:157-170; contd. Mar-Apr 1952. (CLML 22:3)

1. Of the Department of Chemotherapy of the Institute of Tuberculosis (Director--Prof. J. Misiewicz, M. D.).

URBANSKI, T.; SERAFINOWA, B.; MALINOWSKI, S.; SLOPEK, S. KAM. ENSKA I.; VENULET, J.;
JAKIMOWSKA, K.

Research on new drugs in the treatment of tuberculosis; thiosemicarba-
zones. Gruzlica, Warsaw. 20 no.3:292-302; concl. May-June 1952.
(CML 23:2)

1. Of the Chemical Laboratory of the Institute of Tuberculosis (Director
--Prof. J. Misiewicz, M.D.), Warsaw.

VENULET, J.

Studies on the effect of sodium salt of 2,4-dichlorophenoxy-acetic acid on carbohydrate metabolism. Pat. polska 4 no.1:1-33 Jan-Mar 1953.
(CML 24:5)

1. Of the Institute of Experimental Pharmacology (Head--Prof. P. Kubikowski, M. D.) of Warsaw Medical Academy.

VENULET J.

Zakł. farmakol. doświadcz., Akad. med., Warszawa. *Badania nad wpływem soli sodowej kwasu 2, 4-dwuchlorofenoksyoctowego na gospodarkę węglowodanową. Effect of the Na salt of 2:4-dichlorophenoxyacetic acid on carbohydrate metabolism. PATOL. POLSKA 1953, 4/1 (1-34) Graphs 7 Tables 2

This compound (I) has little effect on the course of alloxan diabetes in rabbits, if the blood sugar is high. If it is less marked I lowers the sugar level in a few hours. I in doses of 0.2 mg. distinctly lessens the oxygen consumption in fatty liver tissue. The respiration of liver, kidney, brain and muscle pulp undergoes no changes. The basal metabolism of rats after a s.c. injection of I (dose 20 mg./kg.) exhibits a retardation. After the initial fall in the metabolism, a transient and insignificant rise follows, after which a fall is again observed. The glycogen content of the liver of rats undergoes a distinct increase under the influence of I. The glycogen level in the muscles shows no similar phenomenon. Long continued administration of I causes marked hypoglycaemia in rats, together with a fall in the blood uric acid and a marked leucocytosis. I impedes the formation of cortical hormones. Together with this there is an increase in the activity of the islet apparatus in the pancreas as an accompanying phenomenon. Both humoral activities supplement to a certain extent the no less essential factor of the stimulating action of I on the cholinergic system. Wehr - Warsaw

SO: EXERPTA MEDICA, Section II Vol. 7 No. 11

VENULET, J.; JAKIMOWSKA, K.

Iron content in the pituitary. Polski tygod. lek. 8 no.16:585-586
20 Apr 1953. (CML 24:5)

1. Of the Institute of Experimental Pharmacology (Head--Prof. P.
Kubikowski, M.D.) of Warsaw Medical Academy.

VENULET, JAN

VENULET, Jan; URBANSKA, Alicja

Effect of histamine and of antihistaminics on function of the reticuloendothelial system. Acta physiol. polon. 5 no.2:187-190 1954.

Pharmac. Lab. Inst. Tuberculosis - Div. 1001 -
1. Z Pracowni Farmakologicznej Instytutu Gruslicy. Dyr. Instytutu: prof. dr J. Misiewicz. 2. Z Zakladu Farmakologii Doswiadczalnej Akademii Medycznej w Warszawie. Kierownik: prof. dr P. Kubikowski.

(HISTAMINE, effects,

on RE system)

(ANTIHISTAMINICS, effects,

on RE system)

(RETICULOENDOTHELIAL SYSTEM, effect of drugs on,
antihistaminics & histamine)

**Lab. Exper. Pharmacology, of Acad. Med. Warsaw*

144-2914-212
PORSZASZ, J.; VENULET, J.; GIBISZKE-PORSZASZ, K.

Studies on synergism of analgesics; effect of doryl and physostigmine on the distribution of dolantin in the organism. Acta physiol. hung. 5 no.3-4:509-519 1954.

1. Pharmakologisches Institut der Medizinischen Universität, Budapest. (Eingegangen am 15 Juli 1953)

(MEPERIDINE, metab.

*eff. of choline chloride carbamate & physostigmine in rats)

(CHOLINE, deriv.

*choline chloride carbamate, eff. on meperidine metab. in rats)

(PHYSOSTIGMINE, eff.

*on meperidine metab. in rats)

VENULET, J.

GAVECKA, I.; VENULET, J.; WOJNAROWSKA, M.; ZAKRZEWSKI, K.

Sulfonated dextran with heparin-like action. Acta physiol. polon.
5 no.4:648-649 1954.

1. Z Instytutu Hematologii w Warszawie. Dyrektor: dr. I. Trojanowski.

Z Instytutu Leków w Warszawie. Dyrektor: prof. dr P. Kubikowski.

(DEXTRAN,

sulfone-treated prep., heparin-like eff.)

(SULFONES, effects,

on dextran, heparin-like eff. of sulfonated dextran)

VENULET, JAN

VENULET, Jan

Effect of certain drugs on body temperature. Acta physiol. polon.
5 no.4:653 1954.

1. Z Zakładu Farmakologii Instytutu Leków w Warszawie. Kierownik:
dr J.Venulet.

(BODY TEMPERATURE, effect of drugs on.)

Spec Lab. of Pharmacology, Drug Inst. Warsaw.

VENULET, Jan

Problems of physiopathology and pharmacology of iron. Polski
tygod. lek. 9 no.15:475-476; contd. 12 Apr 54.

1. Z Zakładu Farmakologii Doświadczalnej A.M. w Warszawie; kierownik
prof. dr Piotr Kubikowski.
(IRON,
metab. & pharmacol.)

VENULET, Jan (Warszawa, ul. Sandomierska 6)

Problems of physiopathology and pharmacology in iron. Polski
tygod. lek. 9 no.16:504-507; contd. 19 Apr. 54.

(IRON,
metab. & pharmacol.)

VENULET, JRN

URBANSKI, Tadeusz; MALINOWSKI, Stanislaw; SKOWRONSKA-SERAFINOWA, Barbara;
CHECHNIEWSKA, Bozena; DABROWSKA, Halina; FALICKI, Jerzy; GURNE,
Daniela; HALSKI, Leszek; SLOPEK, Stefan; KAMINSKA, Irena;
VENULET, Jan; JAKIMOWSKA, Krystyna; URBANSKA, Alicja

Search for new antituberculous agents. Gruslica 22 no.10:681-690
Oct 54.

1. Z Oddzialu Syntezy Lekow Instytutu Gruslicy; kierownik prof. dr.
T.Urbanski, dyrektor: prof. dr. J.Misiewicz.
(CHEMOTHERAPY, in various diseases
tuberc., progr.)
(TUBERCULOSIS, therapy
antituberc. agents, research)